

ABSTRACT

A silicon carbide sintered body, wherein
 the porosity obtained from areas of silicon carbide
 particles and silicon particles in a sectional polished
 surface of the silicon carbide sintered body is greater
 than 15% and less than 30%, when the porosity (%)
 equals(the area of silicon particles/(the area of silicon
 particles + the area of silicon carbide particles)) × 100;
 and
 a content of residual silicon is less than 4% to a
 total volume of the silicon carbide sintered body.